Amendments to the Claims

Claims 1-8 **(Canceled)**

9. **(Currently Amended)** A waveform editing program stored on a computer-readable recording ~~medium~~ medium, ~~with a waveform editing program stored:~~

the waveform editing program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input ~~operations;~~ operations,

which ~~can~~ is able to display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to ~~implement;~~ implement:

a first frame definition function of defining an editing area frame for editing the waveform;

an in-frame point movement function of moving ~~the~~ an in-frame point according to ~~the~~ an amount of scaling or transformation of the editing area frame with ~~the~~ a positional relation between the editing area frame and the in-frame point held when a scaling or transformation operation of the editing area frame defined by the first frame definition function is detected; and

a first time-series waveform generation function of generating a time-series waveform from the in-frame point moved by the in-frame point movement function and other points of the waveform.

10. **(Currently Amended)** ~~A computer-readable recording medium with a~~ waveform editing program ~~stored~~ according to Claim 9, wherein:

the in-frame point movement function is operable to add and move points of intersection of the editing area frame defined by the first frame definition function and the waveform as new in-frame points.

11. **(Currently Amended)** A waveform editing program stored on a computer-readable recording ~~medium~~ medium, ~~with a waveform editing program stored:~~

the waveform editing program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input ~~operations;~~ operations,

which ~~can~~ is able to display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to ~~implement;~~ implement:

a second frame definition function of defining a copy area frame for copying the waveform;

an in-frame waveform copy function of copying a waveform in the copy area frame defined by the second frame definition function; and

a second time-series waveform generation function of generating a time-series waveform from ~~the~~ an in-frame point and other points of the waveform when a location definition operation of the in-frame waveform copied by the in-frame waveform copy function is detected.

12. **(Currently Amended)** A ~~computer-readable recording medium with a~~ waveform editing program ~~stored~~ according to Claim 11, wherein:

the second time-series waveform generation function is operable to generate a time-series waveform with an existing point discarded when the existing point is in the copy area frame after the location definition operation is performed.

13. **(Currently Amended)** A ~~computer-readable recording medium with a~~ waveform editing program ~~stored~~ according to Claim 11, wherein:

the in-frame waveform copy function is operable to add and copy points of intersection of the copy area frame defined by the second frame definition function and the waveform as new in-frame points.

14. **(Currently Amended)** A waveform editing program stored on a computer-readable recording ~~medium~~ medium, ~~with a waveform editing program stored:~~

the waveform editing program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input ~~operations;~~ operations,

which ~~can~~ is able to display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to ~~implement;~~ implement:

a binary waveform generation function of generating a binary waveform based on prescribed data and/or a prescribed input operation through the input device;

a third frame definition function of defining an editing area frame for editing the binary waveform generated by the binary waveform generation function; and

an in-frame cycle modification function of modifying a binary waveform cycle in the editing area frame according to ~~the~~ an amount of scaling of the editing area frame when a scaling operation of the editing area frame defined by the third frame definition function is detected.

15. **(Currently Amended)** A waveform editing program stored on computer-readable recording ~~medium~~ medium, ~~with a waveform editing program stored;~~

the waveform editing program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input ~~operations;~~ operations,

which is able to ~~can~~ display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to ~~implement;~~ implement:

a third time-series waveform generation function of regenerating a time-series waveform from a moved point constituting the waveform and other points when a movement operation of the point is detected.

16. **(Currently Amended)** A ~~computer-readable recording medium with a~~ waveform editing program ~~stored~~ according to Claim 15, wherein:

the third time-series waveform generation function is operable to regenerate a waveform in chronological order when ~~the~~ a time sequence of a moved point and any of other points is reversed.

17. **(Currently Amended)** A waveform editing program stored on computer-readable recording ~~medium with a waveform editing program stored:~~ medium,

the waveform editing program for allowing a waveform editing system, comprising at least a display device to display waveforms on a screen and an input device enabling input ~~operations;~~ operations,

which ~~can~~ is able to display a waveform generated based on data input through the input device or data captured from an outside source on the screen, to ~~implement;~~ implement:

a coordinate axis resolution unit selection function ~~which enables~~ of enabling selections of coordinate axis resolution units; and

a coordinate data acquisition function of acquiring values of coordinate data of the waveform displayed on the screen in the coordinate axis resolution units selected by the coordinate axis resolution unit selection function.

18. **(Currently Amended)** A waveform editing ~~system, comprising~~ system comprising: ~~a storage device wherein~~

_____a computer-readable recording medium ~~with~~ having a waveform editing program ~~stored~~ according to any of Claims ~~1-17 is stored,~~ 9-17 stored thereon; and

_____a waveform edit processing device operable to read the waveform editing program ~~from the storage device~~ to perform ~~the~~ waveform edit processing.